

Application No. 09/345,223  
Amendment "A" dated August 11, 2003  
Reply to Office Action mailed May 9, 2003

### AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

1. (currently amended) A method for creating custom advertisements in a timely manner for display with television broadcast programming, wherein the custom advertisements include custom advertisement information that can be transmitted over a data service channel having a restricted low bandwidth and such that it is incapable of transmitting the custom advertisements in a timely manner, the method comprising:

- AI cont
- a. storing, in a receiver, an advertisement template that is identified by a first resource identifier and that includes formatting information corresponding to a custom advertisement that is intended for display during a program that is transmitted over a broadcast signal;
  - b. monitoring a low bandwidth data service channel of a the broadcast signal for an advertisement summary that is addressed to the advertisement template, wherein the advertisement summary includes a second resource identifier and custom advertisement information; and
  - c. creating a the custom advertisement using by combining formatting information from the advertisement template and the custom advertisement information upon determining if the second resource identifier matches the first resource identifier of the information resource, and such that the custom advertisement embodies a combination of both the advertisement template and the advertising summary, the custom advertisement being too large to be transmitted over the low bandwidth channel in a timely manner during presentation of the program.

2. (original) The method of Claim 1, further comprising displaying the custom advertisement.

Application No. 09/345,223  
Amendment "A" dated August 11, 2003  
Reply to Office Action mailed May 9, 2003

3. (original) The method of Claim 1, wherein the custom advertisement information includes a third resource identifier.

4. (original) The method of Claim 1, wherein the first and second resource identifiers are local resource identifiers.

5. (currently amended) A method for broadcasting ~~interactive~~ advertising content for display on a ~~plurality of remote receivers during the display of a program~~, the method comprising:

a. storing an advertisement template ~~in-at the plurality of remote receivers, wherein the template includes formatting information corresponding to a custom advertisement that is intended for display during a program;~~

b. embedding an advertisement summary that is addressed to the advertisement template within a data service channel of a video signal broadcasting the program, the advertisement summary including:

i. a resource identifier unique to the advertisement template; and

ii. custom advertisement information that is configured to be combined with the formatting information of the advertisement template by the remote receiver to create a the custom advertisement, such that the custom advertisement embodies a combination of both the advertisement template and the advertising summary, wherein the custom advertisement is too large to transmit over the data service channel in a timely manner during the broadcast of the program; and

c. broadcasting the signal to the remote receiver, such that remote receiver can create and display the custom advertisement in a timely manner during presentation of the program.

Application No. 09/345,223  
Amendment "A" dated August 11, 2003  
Reply to Office Action mailed May 9, 2003

6. (currently amended) The method of Claim 5, wherein the signal is broadcast to a second ~~plurality of receivers~~ in addition to the first-mentioned ~~plurality of receivers~~, and wherein the information resource does not reside on the second ~~plurality of receivers~~.

7. (original) The method of Claim 5, wherein the data service channel is a captioning service channel.

8. (original) The method of Claim 5, wherein the broadcast signal is a National Television Standards Committee (NTSC) video signal including a text or data-service channel.

9. (original) The method of Claim 8, wherein the data service channel is line 21 of the NTSC video signal.

10. (original) The method of Claim 9, wherein the broadcast video signal is selected from a group consisting of Phase Alternate Lines (PAL), Sequential Couleur Avec Memoire (SECAM), High Definition Television (HDTV), a Digital Video Broadcasting (DVB) signal, or an Advanced Television Systems Committee (ATSC) signal.

11. (original) The method of Claim 5, further comprising generating a checksum for the resource identifier and the advertisement summary and inserting the checksum into the advertisement summary.

Application No. 09/345,223  
Amendment "A" dated August 11, 2003  
Reply to Office Action mailed May 9, 2003

12. (currently amended) A machine-readable medium having stored thereon data representing sequences of instructions, wherein the instructions, when executed by a processor, cause the processor to embed an advertisement summary in a low bandwidth data service channel of a video signal, the advertisement summary including:

- Alt*
- a. a resource identifier unique to an advertising template residing on a remote receiver; and
  - b. custom advertisement information that is configured to be combined with the advertisement template to create a custom advertisement, such that the custom advertisement embodies a combination of both the advertisement template and the advertising summary, and wherein the custom advertisement is too large to transmit over the data service channel in a timely manner during a broadcast of a program that is being transmitted over a video signal associated with the data service channel.

13. (original) A machine-readable medium having stored thereon data representing sequences of instructions, wherein the instructions, when executed by a processor, cause the processor to:

- a. monitor a low bandwidth data service channel of a broadcast video signal for an advertisement summary that is addressed to an advertisement template that is stored by a receiver that is associated with the processor, wherein the advertisement summary includes a resource identifier and custom advertisement information, and wherein a program is being transmitted over the broadcast video signal;
- b. create a custom advertisement by combining the custom advertisement information with an advertisement template upon receipt of the advertisement summary, the combined advertisement information and advertisement template creating a custom advertisement such that the custom advertisement embodies a combination of both the advertisement template and the advertising summary, the custom advertisement being too large to be transmitted over the low bandwidth channel in a timely manner during presentation of the program; and

Application No. 09/345,223  
Amendment "A" dated August 11, 2003  
Reply to Office Action mailed May 9, 2003

- c. display the custom advertisement with the program.

14. (currently amended) A system for creating custom advertisements in a timely manner for display with television broadcast programming, wherein the custom advertisements include custom advertisement information that can be transmitted over a data service channel having a restricted low bandwidth and such that it is incapable of transmitting the custom advertisements in a timely manner, the system comprising:

- a. a broadcast signal source configured to broadcast a video signal in a broadcast video channel;
- b. a receiver tuned to receive the video signal and including local memory, wherein the local memory includes an advertisement template;
- e. means for embedding an advertisement summary addressed to the advertisement template in a low bandwidth data service channel of the video signal, the advertisement summary comprising custom advertisement information and being addressed to a particular advertisement template; and
- c. a receiver configured to:
- store the advertisement template in local memory, the advertisement summary including formatting information for formatting the custom advertisement information into a custom advertisement;
  - tune to the broadcast video channel to receive the video signal and the embedded advertisement summary; and
  - create the custom advertisement by combining the formatting information from the advertisement summary with the custom advertisement information, such that the custom advertisement embodies a combination of both the advertisement template and the advertising summary, wherein the custom advertisement is too large to be transmitted over the low bandwidth data service channel in a timely manner during presentation of the program.

AI  
cont

Application No. 09/345,223  
Amendment "A" dated August 11, 2003  
Reply to Office Action mailed May 9, 2003

15. (original) The system of claim 14, wherein the receiver is configured to combine information provided in the advertisement summary with formatting information provided in the advertisement template to produce a custom advertisement.

16. (original) The system of claim 14, wherein the information provided in the advertisement summary includes a hyperlink.

17. (original) The system of claim 14, wherein the advertisement template further comprises a time stamp.

AI cont  
18. (original) The system of claim 14, wherein the advertisement summary includes a time-out attribute defining a time to end the custom advertisement.

19. (original) The system of claim 14, wherein the advertisement summary includes an attribute that determines at least one of the color, font style, font size, transparency, texture, advertisement size, and advertisement position of the custom advertisement.

20. (original) The system of claim 14, wherein the advertisement summary includes a view attribute that determines whether the custom advertisement is displayed automatically without user intervention.

Application No. 09/345,223  
Amendment "A" dated August 11, 2003  
Reply to Office Action mailed May 9, 2003

21. (currently amended) A system for creating a custom advertisements comprising:
- a. a broadcast signal source configured to broadcast a program of a specified duration in a broadcast video signal having a data service channel that includes an available data bandwidth;
  - b. a receiver tuned to receive the program and including local memory, wherein the local memory contains a first set of data representing a-an advertising template;
  - c. means for embedding a second set of data in the video signal and broadcasting the second set of data to the receiver, wherein the second set of data represents advertising content a trigger addressed to the template; and
  - d. means for combining the first and second sets of data to form a third set of data representing a-video-image the custom advertisement for display on the receiver;
  - e. wherein the third set of data is greater than a product of the available data bandwidth and the specified duration of the program; and
  - f. wherein the first-second set of data is less than the product of the available data bandwidth and the specified duration of the program.

22. (original) The system of claim 21, wherein the first set of data is less than one half of the product of the available data bandwidth and the specified duration of the program.

23. (original) The system of claim 21, wherein the program is a television commercial advertisement.